Trend Micro™

TREND MICRO™ TIPPINGPOINT® SECURITY SOLUTIONS 5.0 TRAINING FOR CERTIFIED EXPERTS

Trend Micro™ TippingPoint® Security Solutions 5.0 Training for Certified Experts is a hands-on, five-day course that teaches the expert-level concepts and best practices necessary for implementation, planning, installation, configuration, security management, and system administration of TippingPoint solutions. Through interactive lectures and hands-on labs, students will learn to implement TippingPoint inspection devices and the Security Management System (SMS) using the standard interface modes. Students will also acquire in-depth expert knowledge on tuning and configuring a TippingPoint inspection device for optimum performance, as well as advanced configuration management of multiple devices using the SMS.

KEY INFORMATION	
Course Title:	Trend Micro TippingPoint Security Solutions 5.0 Training for Certified Experts
Product ID:	TPNN0125
Course Length:	Five Days
Level:	Expert
Delivery Language:	English
To Enroll:	Existing account holders can visit the Trend Micro Education Portal for a list of available classes. For more information about how to create an account please visit trendmicro.com/education

Target Audience:

This course is designed for security and IT professionals who are responsible for protecting networks from any kind of network, endpoint, or cloud security threats. The individuals who will typically benefit the most include:

- Network Engineers
- Network Administrators
- Network Technicians
- Security Administrators
- Systems Engineers
- System Administrators
- Network Security Strategies and Planning Architects

CERTIFICATIONS AND RELATED EXAMINATIONS:

- Upon completion of this course, participants may choose to complete the practical certification exam to obtain designation as a Trend Micro Certified Expert for TippingPoint.

PREREQUISITES:

TippingPoint Certified Professional Training (two-day instructor-led training) or TippingPoint Essentials (modular web-based training), plus equivalent hands-on experience using TippingPoint solutions.

COURSE OBJECTIVES:

Upon completion of this course, students will acquire knowledge of the TippingPoint solutions including:

- Security device setup and configuration
- SMS setup and configuration
- Administrative best practices
- Policy management

DETAILED COURSE OUTLINE:

The course topics in this training are divided into the following lessons:

Device Setup and Configuration

- TippingPoint product portfolio
- Inspection device and SMS setup
- License manager
- Trend Micro™ TippingPoint® Digital Vaccine® Labs (DVLabs) overview

Policy Management - DVLabs

- Basic policy management
- Digital Vaccine® (DV) contents
- Profile management
- Deployment modes
- Trend Micro™ TippingPoint® ThreatLinQ

Advanced Inspection Device Management

- Discuss network segments and ports
- Discuss intrusion prevention system (IPS) segment concepts (Layer 2 Fallback (L2FB) configuration and link down synchronization)
- Zero power high availability (ZPHA)
- Discuss terms of service (TOS) versioning and updating

SMS Network Configuration

- SMS communication
- Network configuration
- Device configuration
- Terms of service (TOS) updates and snapshots

DV Filters and Policy

- Flow based vs. non-flow based
- Threat suppression engine
- Profile configuration
- Filter search nomenclature

User Configurable Filters

- Non-flow based inspection filters
- Port scan and host sweep filters
- Traffic management filters
- Threat suppression engine

Enterprise Vulnerability Remediation (EVR)

- Common vulnerabilities and exposures (CVE)
- Importing vulnerability scans
- Profile tuning

Threat DV

- Reputation
- Reputation database
- Adding tag categories
- Domain generation algorithm (DGA) filters
- DGA filter Settings

DV Toolkit

- Creating a new filter
- Searching filters
- Testing filters
- Real world example using file transfer protocol (FTP) PUT
- Digital video technology (DVT) converter tool

SMS Management

- SMS hardware and virtual machine
- Dashboard introduction
- Geo locator
- Maintenance
- High availability
- Event management
- SMS reports

Advanced DDoS

- Syn flood attacks
- Connection based attacks
- Platform support
- Configuration
- Events and reports

Quarantine

- Blocking
- Thresholds
- Action sets
- Transparent high availability (TRHA)

Advanced Deployments

- Policy by direction
- Policy by virtual LAN (VLAN)
- Policy by classless inter-domain routing (CIDR)
- Policy precedence and application

Optimizing Performance

- Automatic optimization
- Lighthouse program
- L2FB
- VLAN, multiprotocol label switching (MPLS), and tunneling

Reputation

- IPS/domain name system (DNS) reputation
- RepFeed scoring
- Editing entries
- Creating filters
- Monitoring events

SMS Responder

- Thresholds example
- Quarantine and SMS responder together
- Correlation and thresholding
- Use cases
- Custom responses
- Action sets

Secure Sockets Layer (SSL) Inspection

- Transparent proxy
- SSL inbound inspection
- Configuring licenses
- Ciphers and protocols
- Profile configuration

SMS and Trend Micro™ Deep Discovery™ Integration

- Terminology
- URL forwarding overview
- Configuring Deep Discovery and SMS integration

For More Information:

Please contact Trend Micro Education for additional information

education@trendmicro.com

TREND MICRO™

Securing Your Connected World